

Indices for Accessibility

Name	Formula	Units	Literature Sources	Data Sources
Electrification Ratio	$\frac{\text{pop. with access to electricity}}{\text{total pop.}}$	[1]	Shah et al. 2019	IEA 2019, World Bank 2017
Diversity in total primary energy supply	$D_{TPES} = \frac{\sum(p_i * \ln p_i)}{p_{tot}}$	[1]	Jansen et al. 2004, Shah et al. 2019, World Energy Council 2020	IEA 2020
Energy consumption per capita	$\frac{\text{total primary energy consumption}}{\text{population}}$	$\left[\frac{GJ}{a}\right]$	Martinez & Ebenhack 2008, IAEA et al. 2005	IEA 2020

p_i : total energy production by source i

p_{tot} : total energy production

Units: units of energy (e.g., TWh, ktoe, BTU, PJ) [1]